In the Claims

The claims have been amended as follows:

- (currently amended) A method for reworking an electronic component with copper 1 1. or copper/nickel pads containing a nickel layer and an overlying gold layer comprising the 2 steps of: 3 supplying an electronic component having copper or copper/nickel pads thereon 4 containing a nickel layer and an overlying gold layer; 5 etching the gold layer on the component pads; 6 etching the nickel layer on the component pads; 7 treating the etched component to remove products formed during the etching steps 8 9 and corrosion products; and plating the restored-treated copper surface with a nickel layer followed by a gold 10 layer. 11
- (original) The method of claim 1 wherein the pads on the treated component are
 restored to their original condition by media blasting.
- 3. (original) The method of claim 2 wherein the gold layer is etched using a cyanide
 containing solution.
- 4. (original) The method of claim 3 wherein the nickel layer is etched using an alkaline oxidizer containing solution having a pH greater than about 12.0.

- 1 5. (currently amended) The method of claim 4 wherein the etched component is
- treated using a <u>free</u> cyanide containing solution.
- 1 6. (withdrawn) An apparatus for reworking an electronic component with copper or
- 2 copper/nickel pads containing a nickel layer and an overlying gold layer comprising:
- 3 supplying means to supply an electronic component having copper or copper/nickel
- 4 pads thereon containing a nickel layer and an overlying gold layer;
- 5 etching means to etch the gold layer on the component pads;
- 6 etching means to etch the nickel layer on the component pads;
- 7 treating means to remove products formed during the etching steps and corrosion
- 8 products from the etched component; and
- 9 plating means to plate the restored copper or copper/nickel pad surface with a nickel
- 10 layer and an overlying gold layer.
 - 1 7. (withdrawn) The apparatus of claim 6 wherein the pads on the treated component
- 2 are restored to their original condition by media blasting.
- 1 8. (withdrawn) The apparatus of claim 7 wherein the gold layer etching means are a
- 2 cyanide containing solution.
- 1 9. (withdrawn) The apparatus of claim 8 wherein the nickel layer etching means is
- an alkaline oxidizer containing solution having a pH greater than about 12.0.

- (withdrawn) The apparatus of claim 9 wherein the treating means are a cyanide • 1 10. containing solution. 2 (withdrawn) A reworked electronic component made using the method of claim 11. 1 2 1. (withdrawn) A reworked electronic component made using the method of claim 1 12. 2 2. 13. (withdrawn) A reworked electronic component made using the method of claim 1 3. 2 (withdrawn) A reworked electronic component made using the method of claim 14. 1
- 1 15. (withdrawn) A reworked electronic component made using the method of claim 2 5.

Please add the following claims:

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4.

- 1 16. (New) A method for reworking an electronic component with copper or
- 2 copper/nickel pads containing a nickel layer and an overlying gold layer comprising the
- 3 steps of:
- 4 supplying an electronic component having copper or copper/nickel pads thereon
- 5 containing a nickel layer and an overlying gold layer;
- 6 etching the gold layer on the component pads;
- 7 etching the nickel layer on the component pads;
- 8 treating the etched component to remove products formed during the etching steps
- and corrosion products with an etchant selected from the group consisting of a free
- 10 cyanide containing solution, chromic acid and a sodium hydroxide solution with a
- 11 periodic reverse current; and
- plating the treated copper surface with a nickel layer followed by a gold layer.
 - 1 17. (new) The method of claim 16 wherein the etchant used to treat the etched
- 2 component is a free cyanide containing solution.
- 1 18. (new) The method of claim 17 wherein the pads on the treated component are
- 2 restored to their original condition by media blasting.
- 1 19. (new) The method of claim 18 wherein the gold layer is etched using a cyanide
- 2 containing solution.

1 20. (new) The method of claim 19 wherein the nickel layer is etched using an alkaline

oxidizer containing solution having a pH greater than about 12.0.